

# STS01

## Remote Controlled Opening Of Cell Doors



## Manual

Version 1.2 – 23.10.2009

## Description

The system STS01 allows the remote opening of the cell doors, directly from the truck. It works with radio and consists of any number of transmit or receive units. The operating and transmission module is mounted in the cab of the truck. A receiver module can open up to 4 cell doors.

The communication between the operator and transmitter module on the truck and the receiver on the cell doors is carried out by a radio signal. Used is the freely usable frequency band at 433,92 MHz. The range of the transmitter is in sight up to 100m. The door opening system STS01 sends the open command to the desired cell until the receiver module confirms the successful opening of the cell. Even under difficult conditions and long distances the opening can be guaranteed.

The control unit of the remote control is mounted in the truck cab. Use the keypad to select the desired cell. The key module is robust to meet the harsh operating conditions. As the voltage is supplied by standard batteries, no wiring in the truck is necessary. The control unit is very energy efficient, so that a continuous operation can be guaranteed of at least 1 year.

The receiver unit is mounted on the cell door and supplied with 230V AC. Once an operating signal is received from an operating unit, the relay switches and causes the opening of the cell door. The relay contact is floating.

## Technical Data

Power:	4× 1,5V Battery (round cell mignon AA)
Operating time:	at least 1 year with a battery replacement
Communication:	Radio
Frequency band:	433,92 MHz (freely usable) EN 300 220, EN 301 489
Transmission power:	max. 10 dBm
Range:	100 meters (on sight)
Dimensions control unit:	L x W x H 180 x 130 x 100 mm
Dimensions receive unit:	L x W x H 135 x 170 x 85 mm
Fixing control unit:	with velcro
CE – Marking	



### **WEEE: Disposal of electrical and electronic equipment**

The device complies with the WEEE for proper disposal of electrical and electronic equipment. **The dispose in household garbage is prohibited.** Environmental damage and health problems can occur. The unit must be passed a municipal waste management (e.g. recycling centre)

**Article number transmitter (operating unit) STS01: 48-48-188**  
**Article number receiver STR01: 48-48-189**

## 1 Control unit – opening cell doors

The opening of the desired cells is controlled with the keypad of the control unit. The cell number to open the cells is entered. The command for the opening will be sent only when the input is confirmed with the „enter“ key. The enter-key is located at the bottom right and it is signed with the hash symbol „#“.



E.g.: cell 1 → „1“ , „#“  
cell 26 → „2“ , „6“ , „#“  
delete → „\*“

 ...  number-keys

 Enter-key

 Delete-key

**Notes!** If the same cell should be opened continuously, you don't need to enter the number of the cell everytime. It is enough to press again the „enter“ key and it opens the last entered cell.

With the „delete“ key (\*) the entry can be deleted. This can be useful if you make a mistake when typing or you can't remember what the last entry was.

**IMPORTANT NOTE!** A repeated beeping after having pressed a button indicates that the batteries are almost empty and do not last much longer. However, the operation of the device is still possible as long as the batteries last.

## 2 The Change Of Batteries

On the back of the control unit you find the compartment of the batteries, which contains the 4 round-cell - batteries, type mignon AA. If you need to change batteries, you have to open the black compartment on the back side of the control unit and put away the drawer. To open the battery compartment you need to press the plastic tabs on both sides inwards. This requires some effort. The battery drawer displays how and with which polarity the batteries must be inserted. Please follow these instructions.



The following batteries are to use:

**4 pieces - round cell mignon type AA (diameter 14 mm, height 50 mm)**



**IMPORTANT!** The dispose of batteries in household garbage is prohibited. The unit must be passed to a municipal waste management.